

ADVANCED MEMORY SYSTEMS, INC.

1718 Barrington Avenue

Los Angeles, California 90025

TELEPHONE 477-9631

October 26, 1964

Mr. Ted Nelson
System Consultant
Box 1546
Poughkeepsie
New York, 12603

Dear Mr. Nelson,

Thank you for your recent inquiry.

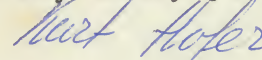
The IRM 216 is designed to allow a maximum number of applications due to a wide variety of rotor speeds and data transfer rates.

The IRM 216 is the only Interchangeable Rotor Memory available today, its low "bit" cost, fast access and high data transfer rate are unchallenged by any interchangeable discfile.

Because of the very few moving parts, maintenance and downtime is virtually eliminated.

If we may be of further assistance please feel free to call on us.

Very truly yours,



KURT HOFER
Sales

KH/bu

IRM 216
Interchangeable
Rotor
Memory

Features:

TWIST LOCK ROTOR MOUNT

Interchange rotors in seconds

LARGE STORAGE CAPACITY

Two million characters

FAST ACCESS

Average access time less than
ten milliseconds

HIGH DATA TRANSFER RATE

Character rate above 600 KC

SIMPLE INSTALLATION

Fits 19-inch racks

LOWEST COST

Fraction of equivalent devices

WIDE RANGE OF USES

Data processing, Inventory,
Industrial process control, etc.



The IRM 216 Interchangeable Rotor Memory is a general purpose digital storage device developed to meet industry demands for a low cost magnetic memory drum. Rotors of the IRM 216 can be quickly interchanged between IRM machines in less than one minute. Eight floating wedges are evenly distributed around the rotor surface. Each wedge contains 27 magnetic recording heads. Housed in a magnetically shielded dust cover, the 216 rotor is held in place by a twistlock mechanism which in the same operation releases the dustcover from the rotor. Multiple IRM 216's normally interface a computer by means of a controller; however, each IRM 216 contains sufficient control lines (23) to interface direct to a computer system. These control lines include: 1 clock line; 7 data lines; 1 ready line; 3 unit select lines (8 IRM units); 8 track select lines; and 3 sector mark lines. Special option of simultaneous write and read on separate tracks capability can be provided.

SPECIFICATIONS

DATA TRANSFER RATE	4.6 Mc	ACCESS TIME AVERAGE	7.5 milliseconds
DATA STORAGE CAPACITY	14 million bits max.	ROTOR SPEED	4000 RPM
DATA STORAGE PER TRACK	70,000 bits	IRM FRAME SIZE	19" W × 22" H × 12" D
NO. OF TRACKS PER INCH	50	IRM ELECTRONICS CHASSIS SIZE	19" W × 14" H × 7" D
NO. OF DATA TRACKS	200	ROTOR SIZE	11" Diam. × 4 1/2" W
NO. OF CLOCK TRACKS	3	ROTOR DUSTCOVER SIZE	11 1/2" Diam × 5 1/2" W
NO. OF SECTOR MARK TRACKS	8	IRM FRAME WEIGHT	50 lbs.
NO. OF SPARE TRACKS	5	IRM ELECTRONICS CASE WEIGHT	40 lbs.
TRACK SWITCHING TIME	5 microseconds	ROTOR WEIGHT	2 lbs.
ACCESS TIME MAX.	15 milliseconds	POWER REQUIREMENT	115 V, 60 cps, 500 watts
PRICE: \$11,750.00 F.O.B. Los Angeles, Calif. (Prices subject to change without notice. Local, state or federal taxes not included.) Additional rotors: \$150 each.			

For additional
information write or
phone:

1718 Barrington Avenue Los Angeles, California 90025 (213) 477-9753

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